C29400
M29400

USER'S GUIDE

97100003

RCA

It is important to read this manual before operating this unit for the first time.

COLOR TV

TOCOM 15257750

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Important Information

WARNING

To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the screen. Such images include network logos, phone numbers, and video games. This damage is not covered by your warranty. Extended viewing of channels displaying these images should be avoided.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

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Table of Contents

Important Information

Warning ____ i

Quick Guide to Your TV

Startup ____ 2-3
Hook up, Plug in TV, Put Batteries in the Remote, Turn on the TV, Place Channels into Memory, Set the Time

Basic Tour of the Remote ____ 4
Basic Button Layout and Functions

Menu Basics ____ 5
Colors, Menu Buttons, Moving through the Menus

Using Your TV and Remote

With Remote Buttons ____ 6-7
With VCRs ____ 8-10
With a Satellite Receiver ____ 11
With a Cable Box ____ 12-13
With a Laserdisc Player ____ 14
With Audio Equipment ____ 15

Adjusting Your TV

Overall Picture ____ 16
Picture Settings ____ 17
Color, Tint, Brightness, Sharpness, Autocolor, Picture Reset

Sound Settings ____ 18-19
Stereo, Expanded Stereo, SAP, Tone, Speakers

Using Advanced Features

Placing Channels in Memory/Autoprogram ____ 20
Adding and Deleting Channels in Memory ____ 21
Naming the Channels ____ 22
Setting the Sleep Timer ____ 23
Setting the Alarm Clock ____ 24
Selecting a Language ____ 25
Watching Closed Captioning ____ 26
Setting Your TV for Antenna or Cable ____ 27

References

Front Panel Buttons ____ 30
Displays on the Screen ____ 31
Trouble Checks ____ 32-33

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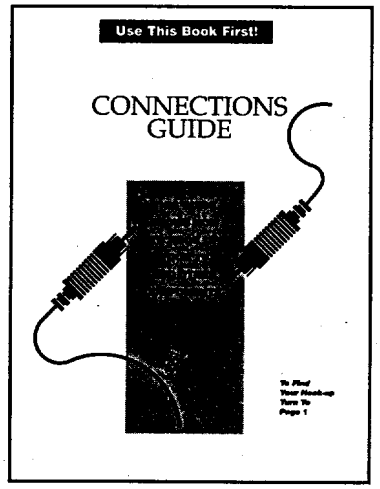
Quick Guide to Your TV

Startup

The steps below will get your TV connected and ready for watching.
For more details, see the page numbers listed.

1. Hook up your TV

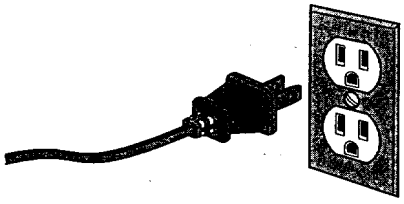
Details are in the Connections Guide.



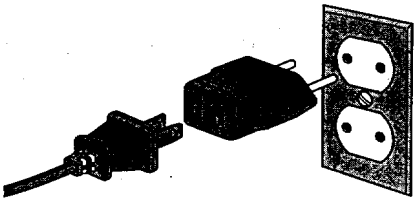
Hook up any antennas, cables or other equipment to your TV before you follow the steps below.

CAUTION: Choose the location for your TV carefully. Take precautions that the stand or other furniture on which the TV is placed is properly located (see Important Safeguards sheet), not of adequate size and strength to prevent the TV from accidentally being tipped over, pushed off, or pulled off. This could cause damage to the TV and/or personal injury.

2. Plug in the TV

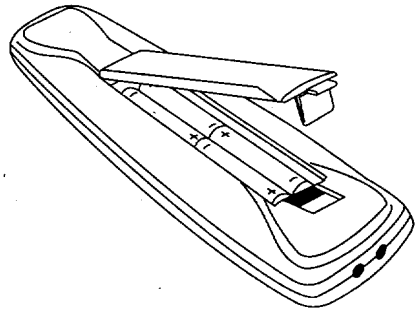


For Model M29400:
Plug the cord into the outlet, matching the wide and the small end of the plug with the outlet.



For Model C29400:
A. Plug cord into adapter as shown at the left.
B. Plug the adapter into the outlet, matching the prongs with the outlet.

3. Put Batteries in the Remote



A. Pull off the cover of the battery compartment.
B. Place the batteries, matching the + and − end of each battery in the compartment.
C. Replace the cover.

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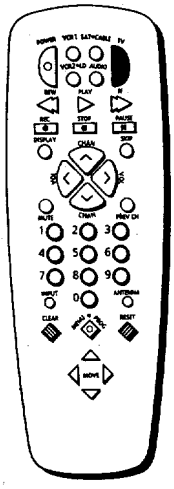
Quick Guide to Your TV

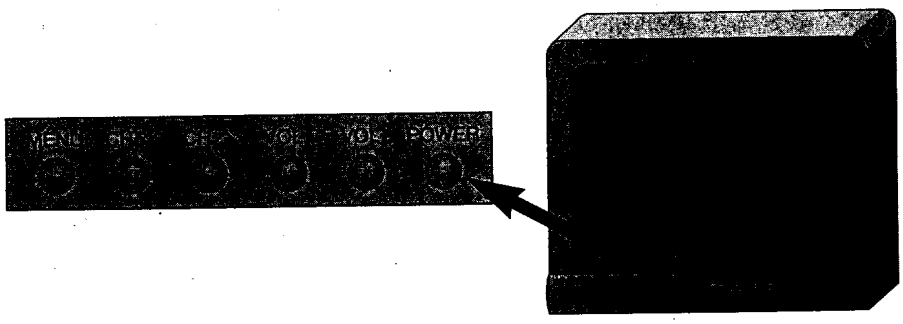
Startup

4. Turn on the TV



Press TV on the remote.

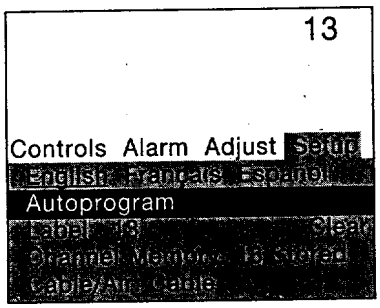
OR



Press POWER on the TV.

5. Place all available channels in memory (Autoprogram)

Details for adding and deleting channels are on page 21.

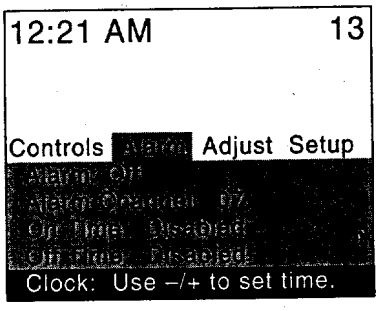


A. Press MENU•PROG until the Setup menu is selected. This menu is white.

B. Press MOVE ▶ to start placing channels in the TV's memory.

C. Wait until TV has cycled through all the channels and returns to original channel.

6. Set the Time



A. Press MENU•PROG until the Alarm menu is selected. This menu is green.

B. The Clock is automatically highlighted the first time you set it. If it is not, press MOVE ▼ (down) to highlight it.

C. Press MOVE ◀ to set the hour.

D. Press MOVE ▶ to set the minutes.

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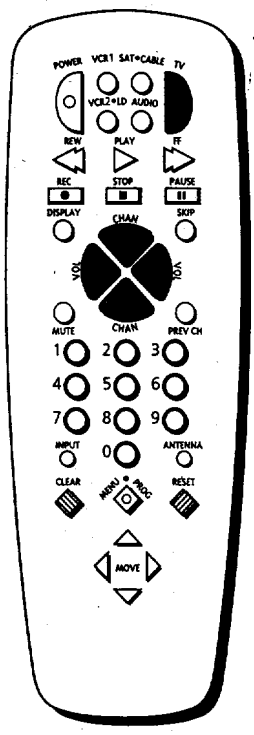
Quick Guide to Your TV

Basic Tour of the Remote

Basic information about your remote is shown below. This will give you a general idea of how your remote works. *For more details, see pages 6–15.*

TV Power Button



Turns the TV on.

Sets the remote to control the TV.

Volume and Channel Controls

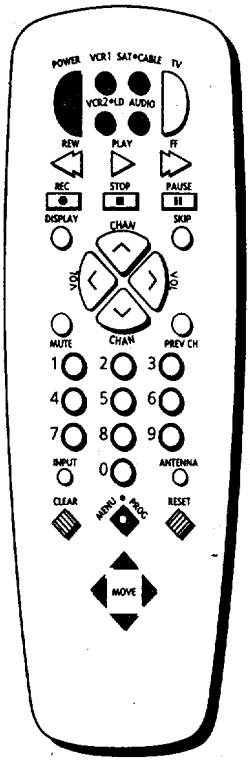
Details are on page 6.

Operates TV when remote is set to control the TV.

Operates the TV and advanced features.

Component Buttons

Details are on pages 8–15.



Controls components such as a VCR, laserdisc player, audio equipment, satellite receiver and a cable box.

Menu Buttons

See next page for details.

Changes the menus and features on the screen.

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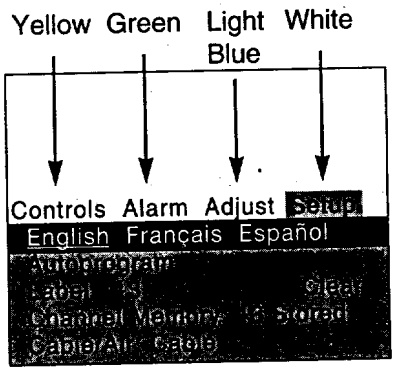
Quick Guide to Your TV

Menu Basics

General information about using the on-screen menu system is shown below. *Details on using the remote buttons are on pages 6-7. Many menu items are explained in detail in Using the Advanced Features starting on page 20.*

Colors

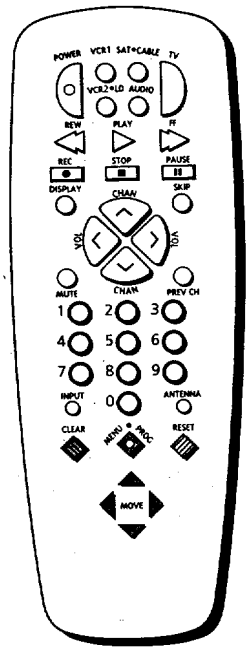


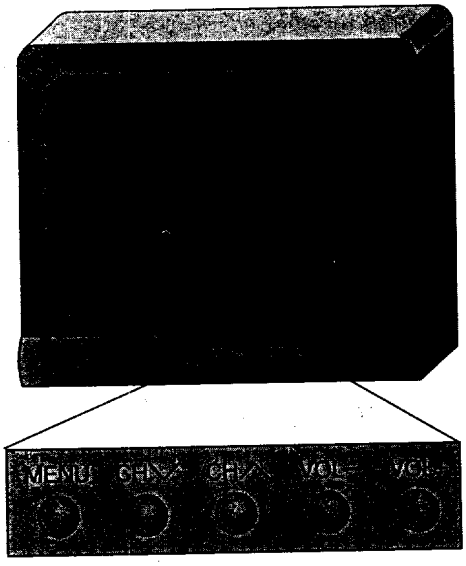
Press MENU•PROG repeatedly to see each of the four menu colors.

Each menu has a different color background as shown at the left.

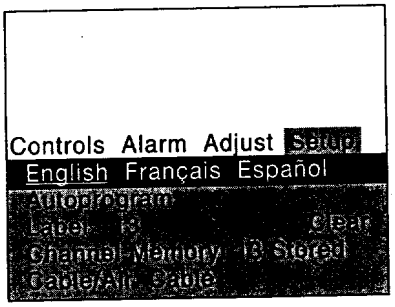
Menu Buttons

These buttons are used with the TV's menus to adjust the features. You can use the menu buttons on the remote or the front of the TV.





Moving through the Menus



1. Press MENU•PROG on the remote or MENU on the front panel to move from menu to menu.
2. Press MOVE ▲ or ▼ on the remote or CHANNEL up/down on the front panel to move up and down through the features in the menu.
3. Press MOVE ◀ and ▶ on the remote or VOLUME + or – on the front panel to move left and right on the menu lines.

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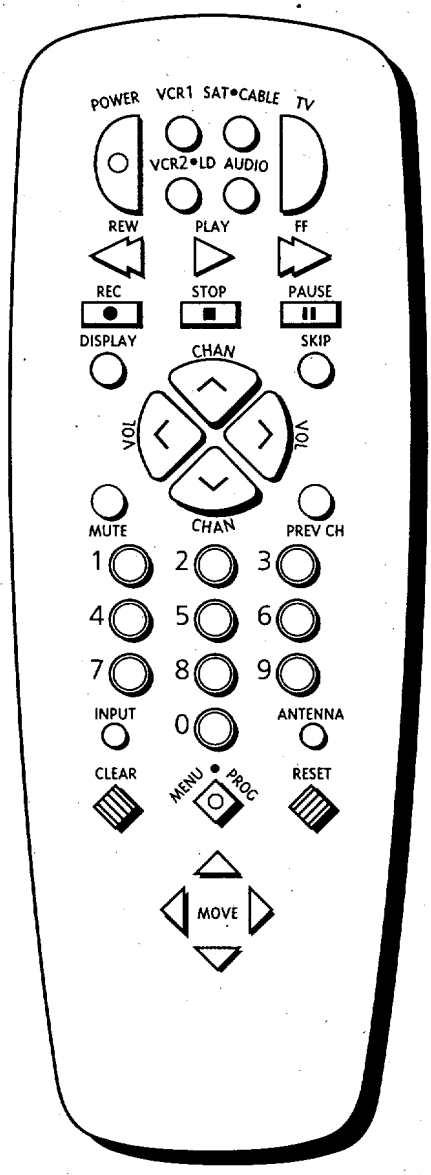
Using Your TV and Remote

With Remote Buttons



POWER
Turns off the TV.

Turns off compatible VCRs.

Turns on a component after a component button is pressed.

AUDIO, VCR, VCR2•LD, SAT•CABLE, TV
Sets the remote to control the component. VCR2•LD can only be programmed for one component: either a VCR or a Laserdisc Player.

See Using the Remote with a VCR, Cable Box, Laserdisc Player and Audio equipment on pages 8–15.

TV
Turns on the TV.

Shows the displays on the screen.

Sets the remote to control the TV.

See Using the Remote with a VCR, Cable Box, Laserdisc Player and Audio equipment on pages 8–15.

REW (Rewind)
Rewinds a tape or laserdisc.

Searches backward while tape or laserdisc is playing.

PLAY
Plays tape or laserdisc.

FF (Fast Forward)
Fast forwards a tape or laserdisc.

Searches forward while tape or laserdisc is playing.

REC (Record)
Starts recording onto tape.

STOP
Stops tape or laserdisc.

PAUSE
Pauses tape or laserdisc.

DISPLAY
Shows displays on the screen.

Clears menus from the screen.

SKIP (Commercial Skip)
Allows you to scan other channels during commercials.

Each press adds 30 seconds. TV switches back to original channel when time runs out. Press CLEAR to cancel SKIP.

CHAN ∧ and ∨
(Channel up and down)
Scans up and down through channels in the TV's memory.

Moves through channels in VCR's memory.

VOL < and >
(Volume down and up)
Raises and lowers sound.

MUTE
Switches the TV sound on or off.

PREV CH (Previous Channel)
Changes back and forth between two channels.

Select a channel and then select another. Press PREV CH to switch between the two channels.

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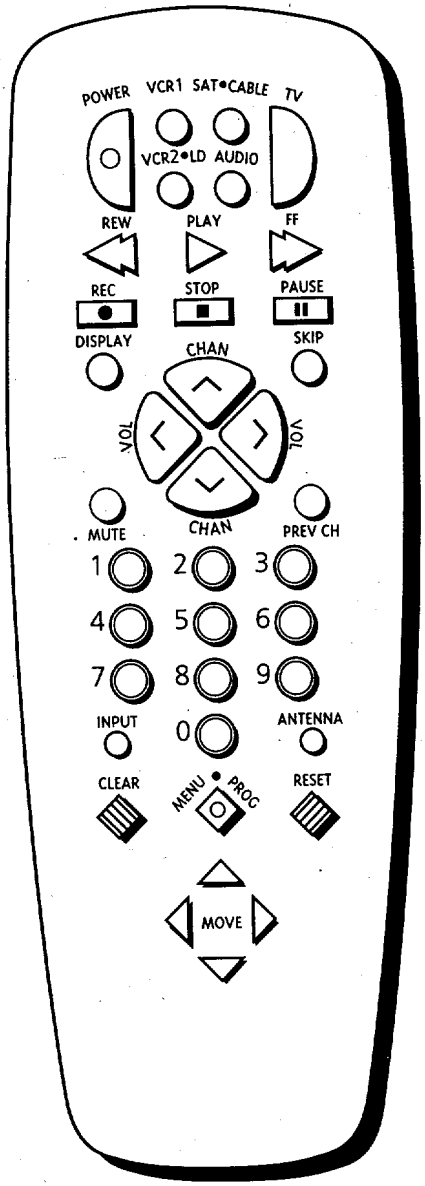
Using Your TV and Remote

With Remote Buttons



Number Buttons (0-9)
Selects any channel number.

Two numbers must be pressed for each channel. Press 0 and 6 for channel 6. For three digit channels, press and hold 1 until 1-- appears on the screen. Then press the other two numbers.

INPUT
Switches between the TV channels and Video 00.

ANTENNA (ANT A•B)
Used as TV/VCR button when remote is set to control the VCR.

CLEAR
Clears menus and displays from the screen.

Clears items from VCR timer programs and VCR's clock.

MENU•PROG (Program)
Shows menus on the screen and moves from menu to menu.

Sets VCR clock and programs timer on VCR.

RESET
Returns the picture adjustments to the original settings.

MOVE ◀ and ▶ (left and right)
Moves left and right on a menu line. *See Menu Basics on page 5.*

Changes a feature setting.

MOVE ▲ and ▼ (up and down)
Moves up and down menus. *See Menu Basics on page 5.*

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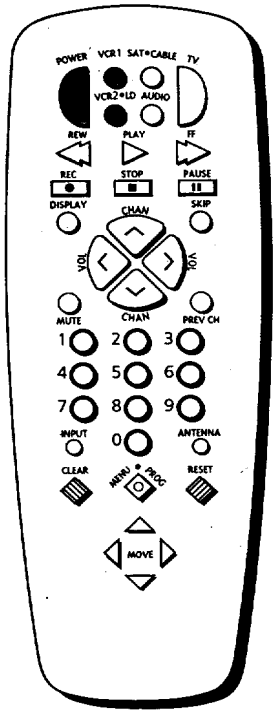
Using Your TV and Remote

With VCRs: Programming the Remote

Refer to the Connection Book or the VCR's owners manual to hook up your VCRs. The remote may need to be programmed for your VCR. This remote may not operate all models of brands listed below. *Use the codes below or on the sheet packed in with your remote.*

1. Test the remote



A. Press VCR1 or VCR2 to turn the VCR on.

B. Press the VCR buttons shown at the left. If your VCR does not work, program VCR1 or VCR2 with a VCR code from the list below.

2. Program the remote for your VCRs

A. Point the remote at the VCR and hold VCR1.

B. Enter the code for your brand from the code list below.

C. Release VCR1.

D. Press POWER. If nothing happens, try pressing VCR1 and then POWER.

E. Repeat A–D with another code if the first one does not work or if a second VCR is connected.

VCR Codes

Aiwa 15	Lloyd 15	Sanyo 02,12
Akai 03,22,23	Magnavox 08,29	Scott 04,13,41
Audio Dynamics 14,16	Marantz 02,08,14,16,29,30	Sears 02,05,09,12,18,19,35,43
Broksonic 10	Marta 09	Sharp 06,24,39
Canon 08	MEI 08	Shintom 17,26,31
Capehart 01	Memorex 08,09,12,15	Sony 17,26,38
Citizen 09	MGA 04,27	Sylvania 08,15,29
Craig 07,12	Minolta 05,35	Symphonic 02,15
Curtis Mathes 00,08,15	Mitsubishi 04,05,27,35,40	Tashiko 09
Daewoo 13	Montgomery Ward 06	Tatung 30
dbx 14,16	MTC 07,15	Teac 15,30
Dimensia 00	Multitech 07,15,31,32	Technics 08
Dynatech 15	NEC 02,14,16,30	Teknika 08,09,15,21
Emerson 09,10,13,15,20,23,24,34,41	Panasonic 08	Toshiba 05,13,19
Fisher 02,12,18,19,43	Pentax 05,35	Totevision 07,09
Funai 15	Philco 08,29	Unitech 07
GE 00,07,08,32,37	Philips 08,29	Vector Research 14,16
Goldstar 09,14	Pioneer 05,16,33	Victor 16
Harman Kardon 14	ProScan 00	Video Concepts 14,16
Hitachi 05,15,35,36	Quartz 02	Videosonic 07
Instant Replay 08	Quasar 08	Wards 05,06,07,08,12,13,15,25,31,35
JCL 08	RCA 00,05,07,08,28,35,37	Yamaha 02,14,16,30
JCPenney 02,05,07,08,14,16,30,35	Realistic 02,06,08,09,12,15,19,43	Zenith 11,17
JVC 02,14,16,30	Samsung 07,13,22,32,42	
Kenwood 02,14,16,30	Sansui 16	

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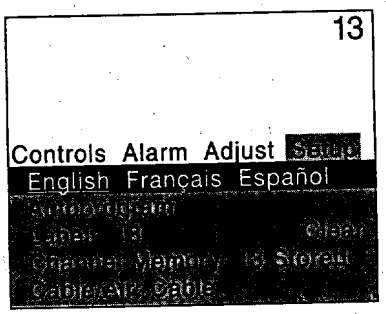
Using Your TV and Remote

With VCRs: Setting the VCR1 Channel

The VCR 1 Channel works with the VCR1 button on the remote. If the VCR 1 Channel is set, pressing VCR1 selects the channel to see the VCR picture. The VCR 1 Channel setting depends on which diagram you have used from the Connection Guide. If you want to turn this feature off, set the VCR 1 Channel to Disable. *Refer to the chart below for your setting.*

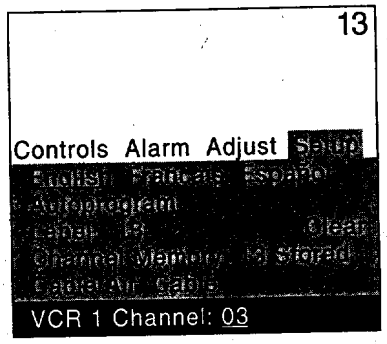
1. Select the Setup Menu



A. Press TV to set the remote to control the TV.

B. Press MENU•PROG to select the Setup menu. This menu is white.

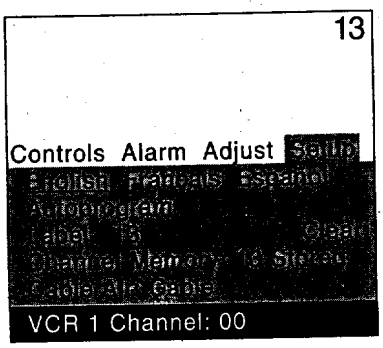
2. Highlight VCR1 Channel



A. Press MOVE ▼ (down) to highlight the VCR 1 Channel.

B. Press ▶ to highlight the channel.

3. Enter channel number



A. Enter channel 00, 03, or 04. Choose your setting from the chart below. Press CHANNEL down until "Disabled" is displayed to turn the feature off.

Diagram used from the Connection Guide:	Set VCR1 Channel to:
1B, 1C, 2B, 2C, 3B, 3C, 4C, 5C	00
4B, 5B	3 or 4 (same as 3/4 switch)

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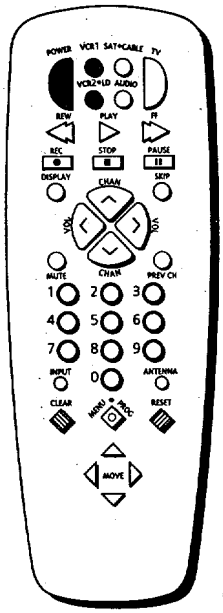
Using Your TV and Remote

With VCRs: Basic Operation

If the remote operates your VCR, this page and the next will show you how to use it for basic functions. *See page 7 for more details on buttons used with your VCR.*

Turn on the VCR



A. Press channel 00 on the TV to see what the VCR is doing.

B. Press VCR1 or VCR2 to set the remote to control the VCR.

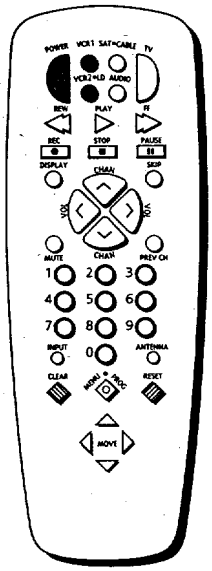
C. Press POWER to turn on the VCR if it did not turn on when you pressed VCR1 or VCR2.

Turn off the VCR

A. Press VCR1 or VCR2 to set the remote to control the VCR.

B. Press POWER.

Record one TV program and watch another



A. Press VCR1 or VCR2 to set the remote to control the VCR.

B. Tune the VCR to the channel you want to record using CHANNEL up and down or pressing two number buttons.

C. Press RECORD to start recording.

D. Press TV/VCR on the VCR.

E. Press TV to set the remote to control the TV.

F. Press CHANNEL up or down to change channels on the TV.

G. To see the channel you are recording, tune the TV back to channel 00.

Watch a tape in your VCR

A. Turn on VCR.

B. Insert a tape in the VCR.

C. Press PLAY to start the tape playing.

D. Press STOP when you are finished.

E. Press REW to rewind the tape.

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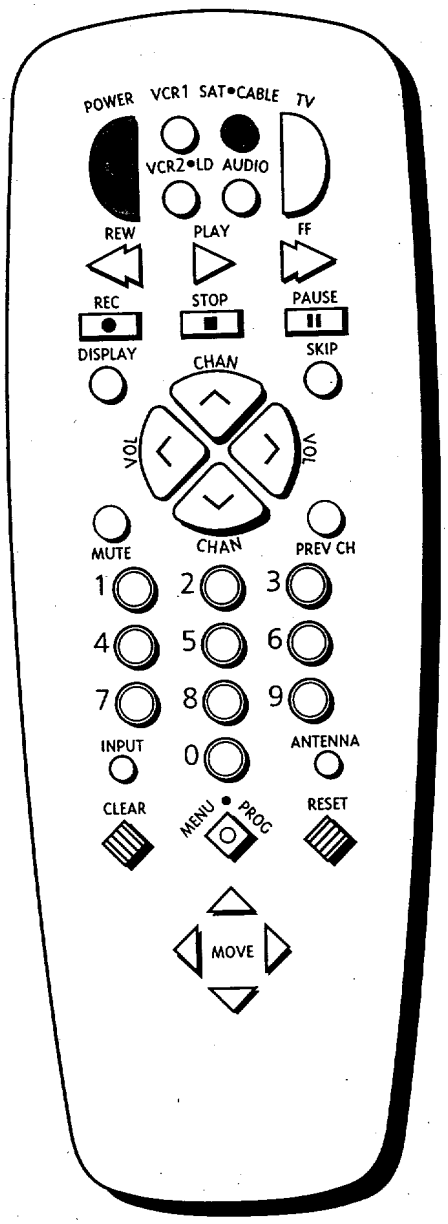
Using Your TV and Remote

With a Satellite Receiver: Basic Operation

You may also be able to use the TV's remote with RCA satellite receivers. *Refer to your Satellite Receiver owner's manual to hook up your Satellite Receiver.* The remote may need to be programmed for other brands of satellite receivers, but may not operate all models of the brands listed below. *Use the codes below or on the sheet packed in with your remote.*

Follow the instructions below for basic operation of your receiver. You may also want to experiment with other buttons on the remote to see if they work with your receiver.

Program the remote for your Satellite Receiver



A. Point the remote at the satellite receiver and hold SAT•CABLE.

B. Enter the code for your brand from the code list below.

C. Release SAT•CABLE.

D. Press POWER. If nothing happens, try pressing SAT•CABLE and then POWER.

Turn on the Satellite Receiver

A. Press SAT•CABLE to set the remote to control the satellite receiver.

B. Press POWER to turn on the receiver if it did not turn on when you pressed SAT•CABLE.

Turn off the Satellite Receiver

A. Press SAT•CABLE to set the remote to control the satellite receiver.

B. Press POWER to turn off the receiver.

Satellite Receiver Codes

Chaparral	80,81
Cheyenne	81
Drake	82,83
DSS	00
GE	00
General Instruments	92,93,94
ProScan	00
RCA	00
Realistic	84
Sierra I,II,III	81
STS1	85
STS2	86
STS3	87
STS4	88
Toshiba	89
Uniden	90
Video Cipher II	91

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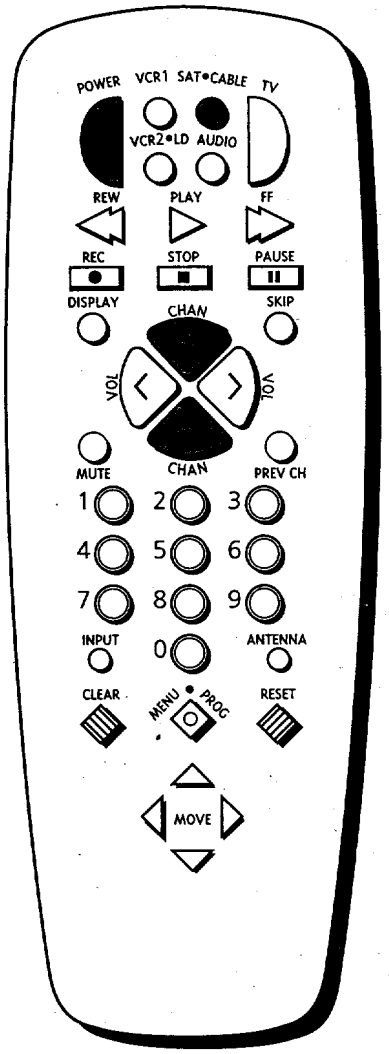
Using Your TV and Remote

With a Cable Box: Programming and Basic Operation

Refer to the Connection Book or contact your cable company to hook up your cable box. If you have a cable box with its own remote, then you may also be able to use the TV's remote with your cable box. This remote may not operate all models of brands listed below. *Use the codes below or on the sheet packed in with your remote.*

Program the remote for your cable box



A. Point the remote at the cable box and hold SAT•CABLE.

B. Enter the code numbers for your brand from the list below.

C. Release SAT•CABLE.

D. Press POWER to turn it on. If nothing happens, try pressing SAT•CABLE and then POWER.

E. Repeat A-D with another code if the first one does not work.

Basic Operation:
Turn on the Cable Box

A. Tune TV to channel 02, 03, 04, 05, or 06--the cable box channel.

B. Point remote at the cable box and press SAT•CABLE.

C. Press POWER to turn it on.

D. Press CHANNEL up or down to change channels on the cable box.

Turn off the Cable Box

A. Press SAT•CABLE.

B. Press POWER to turn it off.

Cable Box Codes

ABC 22,46
Anvision.....07,08
Cablestar 07,08
Eagle 08
Eastern International.....02
General Instrument .....
.....04,05,15,23,24,25,30,36,46
Hamlin 12,13,34,48
Hitachi.....37,43,46
Jerrold.....
.....04,05,15,23,24,25,30,36,45,46,47
MACOM 37,43
Magnavox.....
.....07,08,19,21,26,28,29,32,33,40,41
NSC 09
Oak 01,16,38
Oak Sigma 16
Panasonic.....03,27,39
Philips .....
.....07,08,19,21,26,28,29,32,33,40,41
Pioneer 18,20,44
Randtek.....07,08
RCA 00,27
Regal.....12,13
Regency.....02,33
Samsung 44
Scientific Atlanta.....03,22,35
Signature.....46
Sprucer 27
Starcom 46
Sylvania.....11
Teknika 06
Texscan.....10,11
Tocom.....17,21,49,50
Unika 31,32,41
Viewstar .....
.....07,08,19,21,26,28,29,32,33,40,41
Warner Amex.....44
Zenith 14,42

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Using Your TV and Remote

With a Cable Box: Setting the Cable Channel

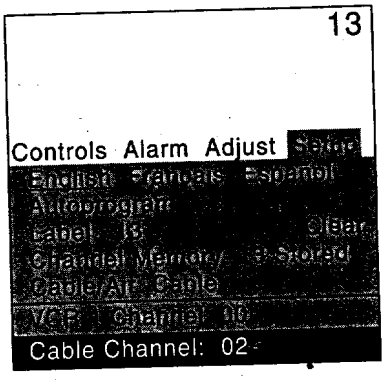
The Cable Channel works with SAT•CABLE on the remote. If the Cable Channel is set, pressing SAT•CABLE selects the channel to see cable channels. The Cable Channel setting depends on which channel your cable box must be on to see cable channels. The channels usually used are 02, 03, 04, 05 or 06. *Consult your cable company for more information.*

1. Select the Setup menu

A. Press TV to set the remote to control the TV.

B. Press MENU•PROG to select the Setup menu. This menu is white.

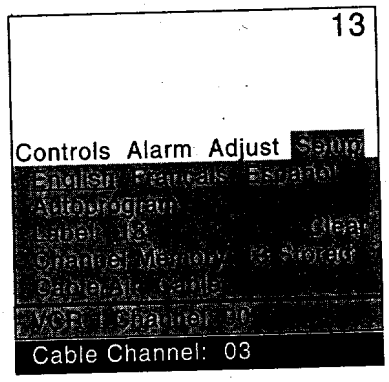
2. Highlight Cable Channel



A. Press MOVE ▼ (down) to move down the menu until Cable Channel is highlighted.

B. Press ▶ to underline the channel.

3. Enter channel number



A. Enter the number for your cable box, either 02,03,04,05 or 06. Press CHANNEL down until "Disabled" is displayed to turn this feature off.

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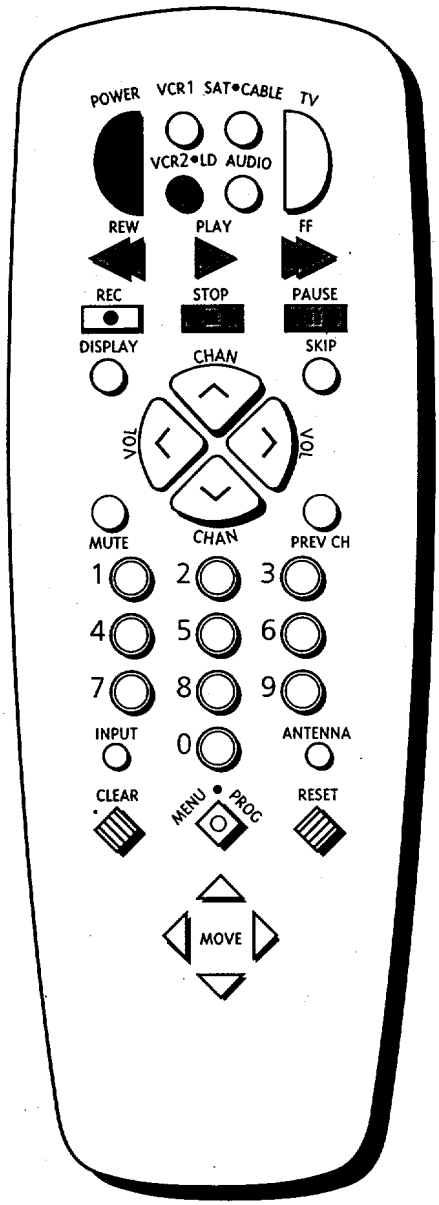
Using Your TV and Remote

With a Laserdisc Player: Programming and Basic Operation

Refer to your Laserdisc Player owner's manual to hook up your Laserdisc Player. The remote may need to be programmed for your laserdisc player. This remote may not operate all models of brands listed below. *Use the codes below or on the sheet packed in with your remote.*

Program the remote for your Laserdisc Player



A. Point the remote at the laserdisc player and hold VCR2•LD.

B. Enter the code for your brand from the code list below.

C. Release VCR2•LD.

D. Press POWER. If nothing happens, try pressing VCR2•LD and then POWER.

Basic Operation

A. Tune TV to channel 00, 03, or 04.

B. Point the remote at the laserdisc player and press VCR2•LD.

C. Press POWER to turn it on.

D. Use the buttons on the remote that relate to laserdisc player functions. Not all buttons highlighted may work with your laserdisc player.

E. Press POWER to turn it off.

Laserdisc Player Codes

Pioneer	33
ProScan	33
RCA	33

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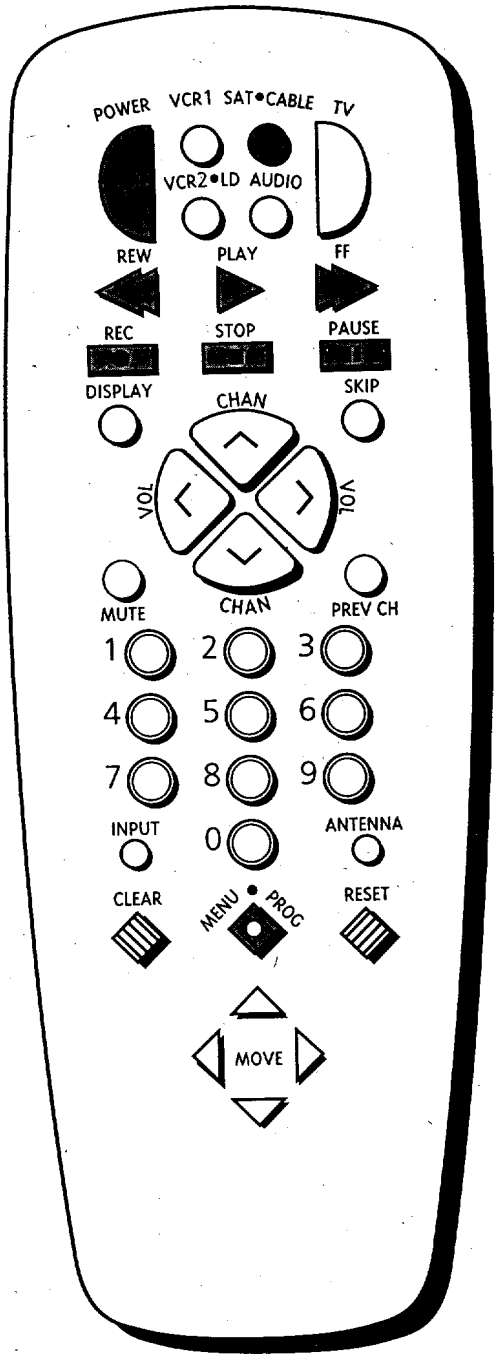
Using Your TV and Remote

With Audio Equipment: Programming and Basic Operation

Refer to the Connection Book or your Audio equipment owner's manual to hook up your audio equipment. Your remote controls only RCA audio equipment such as a radio, CD player, tape player, turntable, or amplifier. The remote may need to be programmed for your equipment. This remote may not operate all models of brands listed below. *Use the codes below or on the sheet packed in with your remote.*

Program the remote for audio equipment



A. Point the remote at the audio equipment and hold AUDIO.

B. Enter the code from the code list.

C. Release AUDIO.

D. Press POWER to turn it on. If nothing happens, try pressing AUDIO and then POWER.

E. Repeat A–D with another code if the first one does not work.

Basic Operation

A. Point the remote at the audio equipment and press AUDIO.

B. Press POWER to turn it on.

C. Use the buttons on the remote that relate to audio functions. Not all buttons highlighted may work with your equipment.

D. Turn the audio equipment off using the audio component's power off button.

Audio Codes

RCA/ Dimensia

AM/FM	03
CD	07
Tape	06
Phono	05
Aux	04

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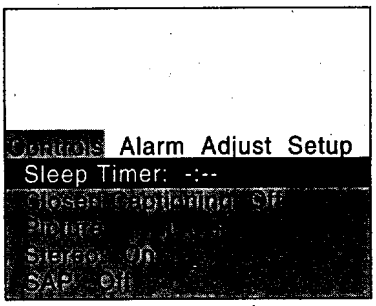
Adjusting Your TV

Overall Picture

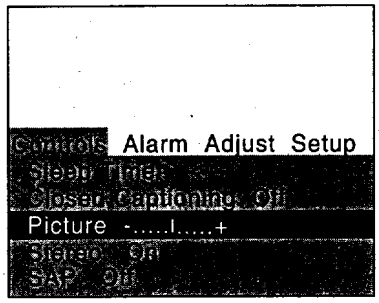
Follow the steps below to lighten or darken the overall picture without changing the color levels.

1. Select the Controls Menu



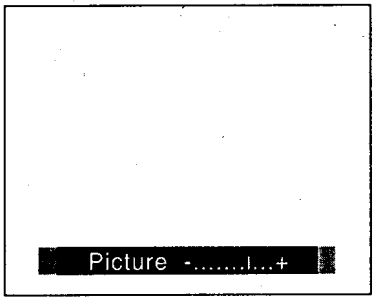
Press MENU•PROG to select the Controls menu. This menu is yellow.

2. Highlight Picture



Press MOVE ▼ (down) to highlight Picture.

3. Use MOVE ▶ and ◀ to adjust the Picture



Press MOVE ▶ (right) to lighten the picture.

OR

Press MOVE ◀ (left) to darken the picture.

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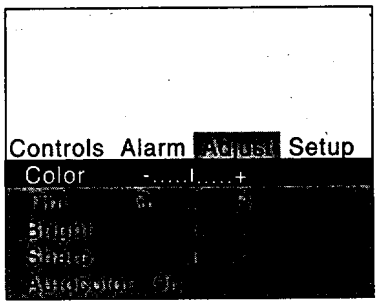
Adjusting Your TV

Picture Settings

Follow the steps below to change the picture on the screen to your personal setting. The chart at the bottom of the page explains your options.

1. Select the Adjust Menu

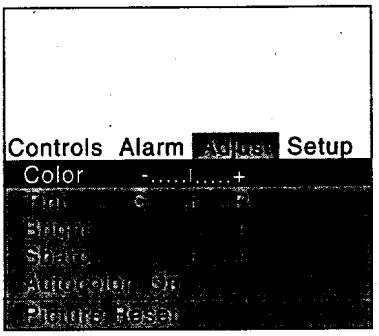


Press MENU•PROG repeatedly to select the Adjust menu. This menu is light blue.

2. Highlight item to change

Press MOVE ▼ (down) to highlight the picture item you want to adjust.

3. Use MOVE ▶ or ◀ to adjust each item



Press MOVE ▶ or ◀ to adjust each item.

	Press MOVE ▶ to:	Press MOVE ◀ to:
Color	Increase color richness	Decrease color to black and white
Tint	Give red tint to skin color	Give green tint to skin color
Bright (Brightness)	Add more light to dark parts of the picture	Add more dark to light parts of the picture
Sharp (Sharpness)	Show cleaner, clearer images	Make picture more smooth
Autocolor	Turn on to keep Color and Tint in proper balance each time you change channels	Turn off for manual adjustment of Color and Tint
Picture Reset	Reset the picture back to the factory settings	Reset the picture back to the factory settings

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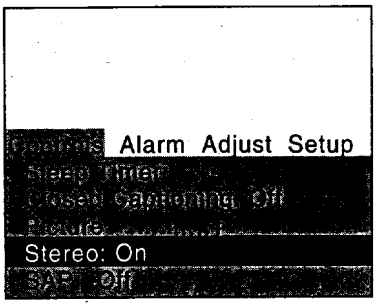
Adjusting Your TV

Sound Settings: Stereo, Expanded Stereo, SAP and Tone

Follow these steps to adjust the Stereo, Expanded Stereo, SAP or Tone of your TV. SAP (Second Audio Program) is sometimes used to offer the program being watched in another language. The chart below explains your options.

1. Select the Controls Menu

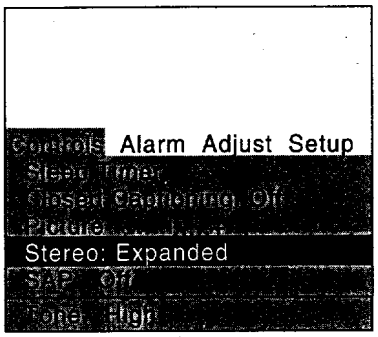


Press MENU•PROG to select the Controls menu. This menu is yellow.

2. Highlight item to change

Press MOVE ▼ (down) to highlight the sound item you want to adjust.

3. Use MOVE ▶ or ◀ to adjust each item



Press MOVE ▶ or ◀ to adjust each item.

Stereo	**On** Sound is automatically reproduced in stereo or mono, whichever the TV station is broadcasting.	**Off** Sound is reproduced in mono.	**Expanded** Expanded stereo adds greater width and dimension to stereo broadcasts creating a more spacious stereo sound effect.
SAP	**On** Sound is reproduced in another sound channel. If nothing happens, your broadcast may not have SAP.	**Off** Sound is reproduced in Stereo, Expanded Stereo or Mono, whichever is selected in the Stereo Menu Item.	
Tone	**High** High pitched sounds are louder.	**Low** Low pitched sounds are louder.	

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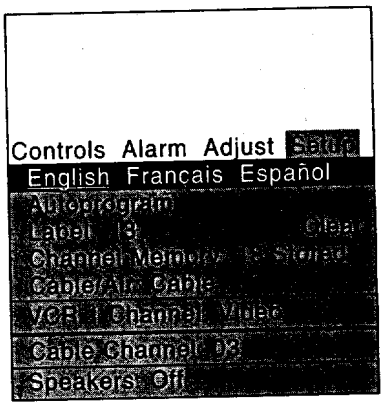
Adjusting Your TV

Sound Settings: Speakers

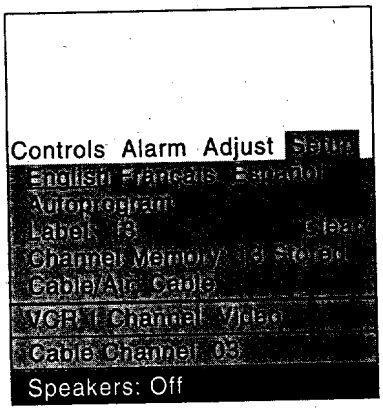
Follow the steps below to turn the speakers on or off in your TV.
The chart below explains your options.

1. Select the Setup Menu



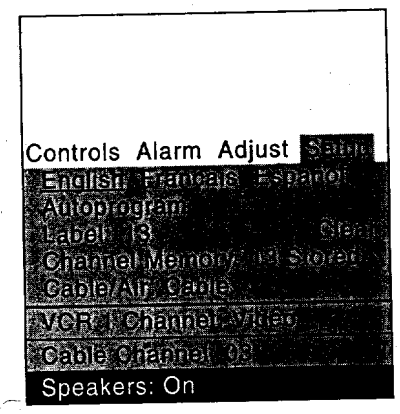
Press MENU•PROG repeatedly to select the Setup menu. This menu is white.

2. Highlight speakers



Press MOVE ▼ (down) until Speakers is highlighted.

3. Turn Speakers on or off



Press MOVE ▶ or ◀ to turn the speakers on or off.

Speakers	On	Off
	The sound comes from the TV's internal speakers.	No sound comes from the TV.

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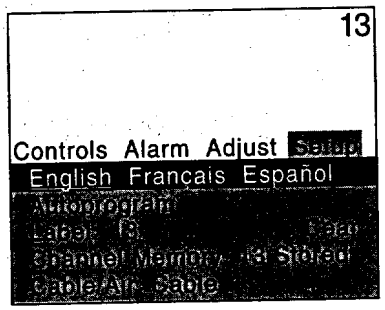
Using Advanced Features

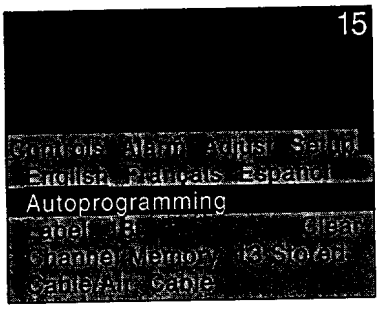
Placing Channels in Memory (Autoprogramming)

Only channels 2–13 appear in the TV's memory when you first turn it on. The channels available in your area must be programmed into the TV's memory when you hook up your TV. Using CHANNEL up or down allows you to scan through these channels.

You may want to add or delete a few channels if some stations have weak signals or were off the air when the TV was programmed. *Refer to the Add or Delete Channels section on the next page.*

Place channels in memory (Autoprogram)





A. Hook up an antenna, cable or components before you begin these steps or you will not be able to add channels into memory.

B. Press MENU•PROG repeatedly to select the Setup Menu. This menu is white.

C. Press MOVE ▼ (down) to highlight Autoprogram.

D. Press MOVE ▶(right) to start the TV adding all active channels into memory.

E. Wait until the TV has cycled through all the channels and returns to the original channel.

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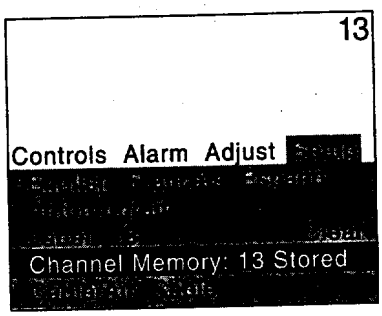
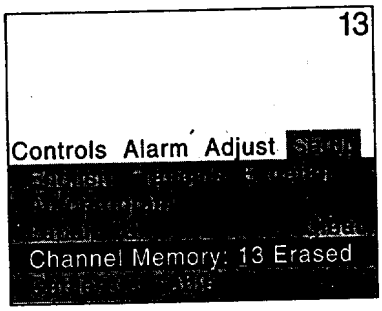
Using Advanced Features

Adding and Deleting Channels in Memory

You may want to add or delete a few channels if some stations have weak signals or were off the air when the TV was programmed. *Refer to the Add or Delete Channels section below.*

Adding and deleting channels in memory





A. Press MENU•PROG repeatedly to select the Setup menu. This menu is white.

B. Press MOVE ▼ (down) to highlight Channel Memory.

C. Press MOVE ▶ to underline the channel number.

D. Select the channel number you want to add or delete with the number buttons.

E. Press MOVE ▶ to add or delete a channel (you will see Stored on the screen when added and Erased when deleted).

F. Repeat D and E for more channels.

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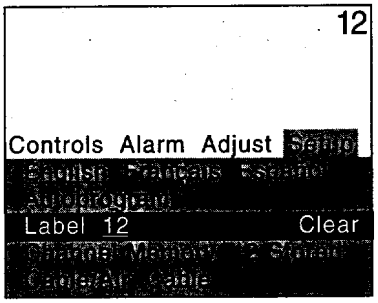
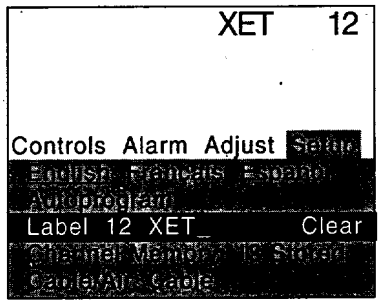
Using Advanced Features

Naming the Channels

You can name the channels using the character list below. **Full** appears beside Label when the memory is used up. The TV can store up to 27 labels in memory. **Fixed** appears beside Label for channel 00--it cannot be named.

1. Name a channel





A. Press MENU•PROG repeatedly to select the Setup menu. This menu is white.

B. Press MOVE ▼ (down) to highlight Label.

C. Press MOVE ▶ to underline the channel number.

D. Select the channel number with the number buttons.

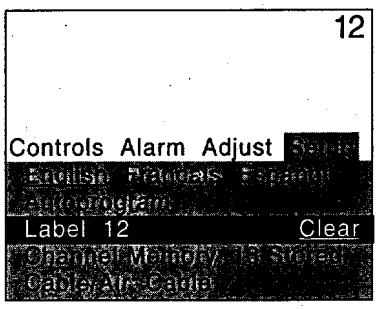
E. Press MOVE ▶ to underline the first character of the name.

F. Choose the character using MOVE ▲ or ▼ (up or down).

G. Repeat E–F to complete the name.

H. Press MOVE ◀ to move backward if you want to change an item.

2. Erase a name



A. Follow A and B above.

B. Press MOVE ▶ until clear is underlined.

C. Press MOVE ▲ or ▼ (up or down) to clear the name.

Character List

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z &
' ( ) á + , – . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ blank space

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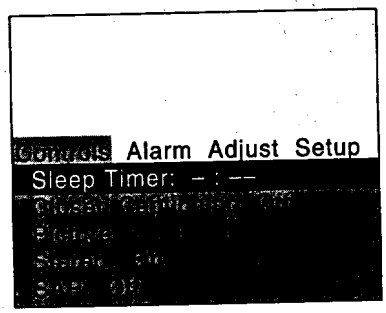
Using Advanced Features

Setting the Sleep Timer

You can set your TV to turn itself off. If you're watching TV at night and fall asleep, the TV will turn off for you.

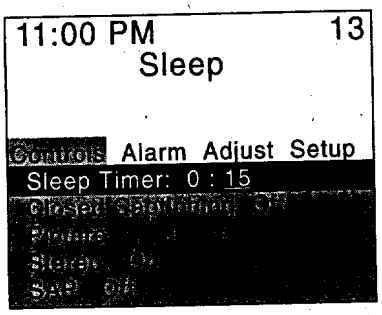
1. Set Sleep Timer



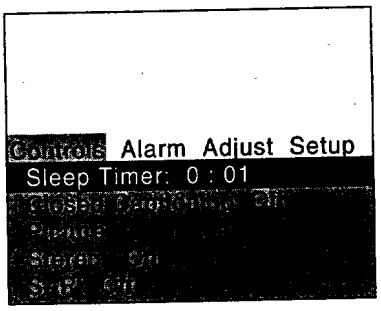
A. Press MENU•PROG to select the Controls menu and highlight Sleep Timer. This menu is yellow.

B. Press MOVE ▶ to enter the amount of time you want to watch TV before it shuts off. Each press equals 15 minutes.

C. Press MOVE ◀ to subtract time from the sleep timer.

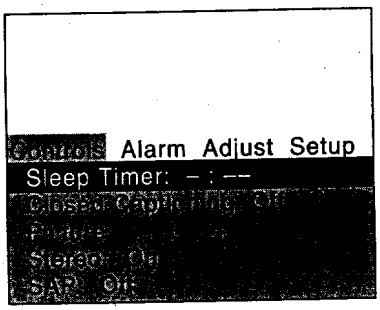


2. Add more time



A. When 0:01 appears on the screen, the TV will shut off in one minute. Press MOVE ▶ to add more time.

3. Cancel the Timer



A. Press MENU•PROG to select the Controls menu and highlight Sleep Timer.

B. Press MOVE ◀ until the time reaches – : – –.

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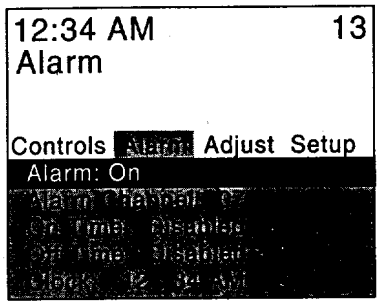
Using Advanced Features

Setting the Alarm Clock

The TV can be set to turn on each day like your alarm clock. You can set it to turn on to your favorite channel at a certain time. You can also set it to turn itself off again. The Alarm cannot be used until the clock is set.

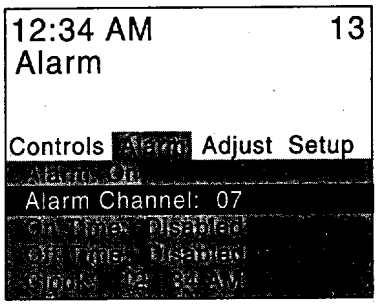
1. Turn on the Alarm



A. Press MENU•PROG to select the Alarm menu and highlight Alarm. This menu is green.

B. Press MOVE ▶ or ◀ to select On or Off.

2. Set the Alarm Channel

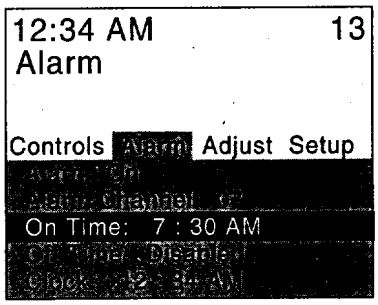


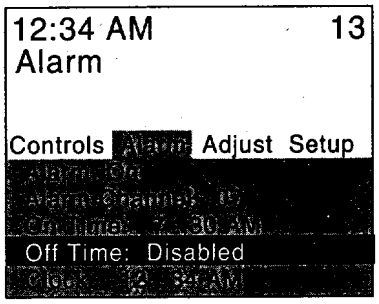
A. Press MOVE ▼ (down) to highlight the Alarm Channel.

B. Press MOVE ▶ to highlight the channel number.

C. Enter the channel that you want the TV to turn on to with the number buttons.

3. Set On and Off Times





A. Press MOVE ▼ (down) to highlight the On or Off Time.

B. Press MOVE ◀ to set the hour.

C. Press MOVE ▶ to set the minutes.

D. Press and hold MOVE ◀ to choose Disabled. This turns the TV only on or only off at a certain time each day.

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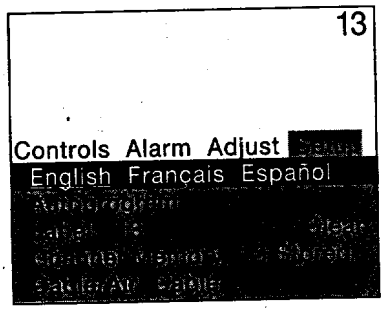
Using Advanced Features

Selecting a Language

The on-screen displays in this TV can be displayed in three languages: English, French, and Spanish. When you select a language, most of the displays will be shown on the screen in your preferred language.

1. Select the Setup menu



Press MENU repeatedly to select the Setup menu. This menu is white.

2. Select Language

Press MOVE ◀ or ▶ to select English, Français (French), or Español (Spanish).

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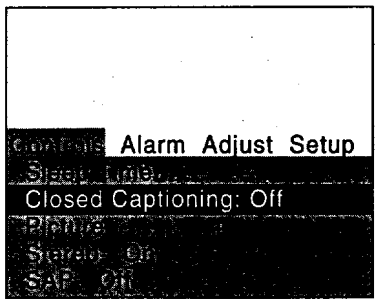
Using Advanced Features

Watching Closed Captioning

Closed captioning displays the audio portion of a program as words on the TV screen. It is useful for the deaf, hearing impaired, or anyone who wants to watch a program without sound. If you have turned Closed Captioning on and it does not appear on the screen, it is not available on the channel you are watching. This TV does not support the text mode. Text information typically consists of program information, weather bulletins, local activities, etc.

1. Select the Controls Menu

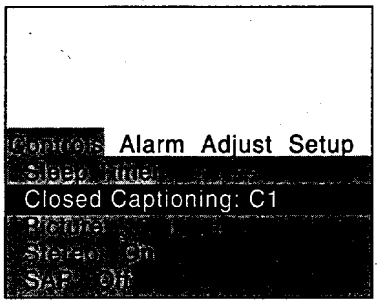


Press MENU•PROG to select the Controls menu. This menu is yellow.

2. Highlight Closed Captioning

Press MOVE ▼ (down) to highlight Closed Captioning.

3. Select Setting



Press MOVE ◀ or ▶ to select Off, C1, or C2. Select C1 for full translation of the primary language in your area. Select C2 for secondary language translation, simplified English, or whatever is being broadcast in your area.

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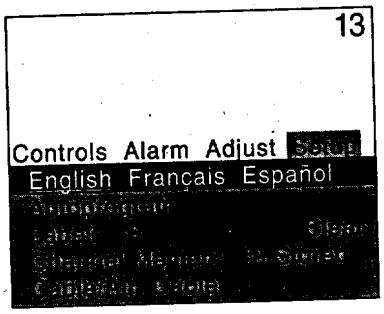
Using Advanced Features

Setting Your TV for Antenna or Cable

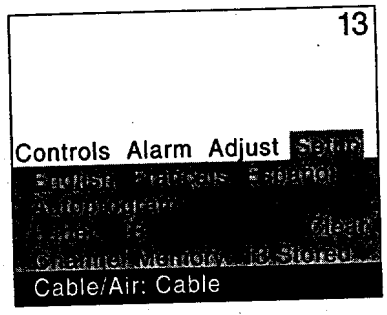
Your TV automatically adjusts this feature when the TV places channels in memory (autoprogram). Follow the steps below to change the setting as needed.

1. Select the Setup menu



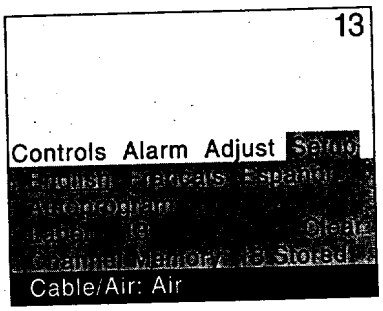
Press MENU•PROG repeatedly to select the Setup menu. This menu is white.

2. Highlight Cable/Air



Press MOVE ▼ (down) to highlight Cable/Air.

3. Select Cable or Air



Press MOVE ◀ or ▶ to select Cable or Air. Select Cable if you have cable. Select Air if you have a home antenna connected to your TV.

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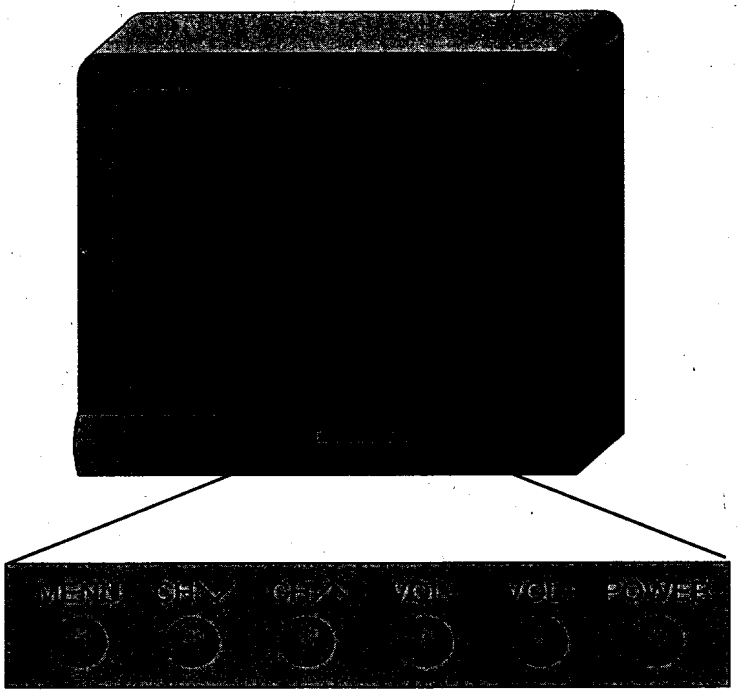
References

Front Panel Buttons

For details on using buttons with menus, see Menu Basics on page 5. The front panel below shows a typical button layout. The exact look of the buttons may be different from those on the front of your TV.



MENU	Shows menus on screen. Moves from menu to menu.
CH ∧ and ∨	Channel up and down. Scans up and down through channels in the TV's memory. Moves up and down menus.
VOL + and –	Volume up and down. Raises and lowers sound. Moves left and right on a menu line. Changes a features setting.
POWER	Turns the TV on or off.
+ and –	Same as VOL + and – buttons.

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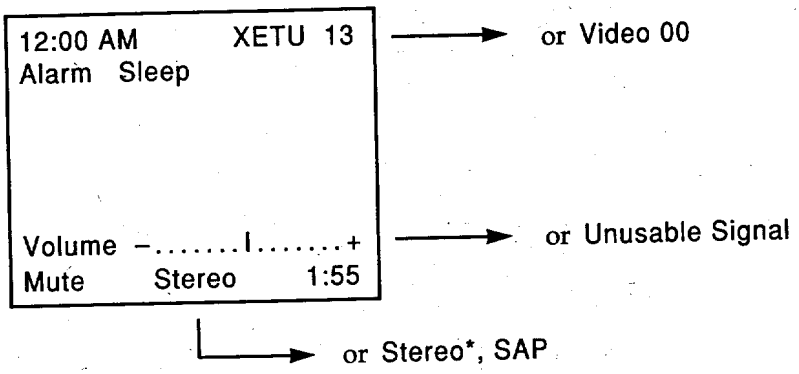
References

Displays on the Screen

Your TV shows the settings of several features on the screen. To see what features have been set on your TV, press DISPLAY on the remote.



Screen Display	Description
12:00 AM	Time of the clock. *Details are on page 3.*
XETU	Name you chose to describe the channel. *Details are on page 22.*
13	Channel number you are watching.
Video 00	Indicates that a component is connected to the VIDEO jack on the back of the TV, it is turned on, and channel 00 is selected.
Alarm	Alarm clock is set to turn on or off. *Details are on page 24.*
Sleep	Sleep Timer is set to turn off the TV. *Details are on page 23.*
Volume	Sound level of the TV.
Unusable Signal	No signal is coming in on video input channel 00.
Mute	There is no sound. *See* MUTE *button on page 6.*
Stereo	The sound is being broadcast in stereo. *Details are on page 18.*
Stereo*	SAP is selected in the menu, but it is not available for the program being broadcast. *Details are on page 18.*
SAP	Secondary Audio Program. SAP is selected and it is available for the program being broadcast. *Details are on page 18.*
1:55	The time remaining for commercial skip. *Details are on page 6.*

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References

Trouble Checks

You may have problems that can be fixed with a few minor adjustments. Look for the type of problem you are having below and then try the suggestions to get your TV going again.

Trouble	Checks and Adjustments
Power	
TV will not turn on	Plug TV in. Plug something else into the outlet to make sure it is working. Make sure batteries in the remote are not dead. Aim the remote at the TV and press TV. Make sure batteries are placed in the remote the right way. *See batteries on page 2.* Unplug TV for a few minutes and then turn it on again.
No picture, no sound but TV has power	Check antenna connections. Check position of Cable/Air feature. *See page 27.* Try another channel. Inactive channel may be tuned. Make sure component connected to the VIDEO INPUT jacks is turned on if you choose channel 00. Make sure TV is tuned to the same channel as the switch on back of VCR if watching a VCR. Make sure TV/VCR button on VCR is in correct position when using VCR.
Picture	
Blank screen or Unusable Signal appears on screen	Try another channel. Scan the channels.
Picture poor, sound okay	Check antenna connections. Adjust TV picture. *See pages 16–17.*
Sound	
Noisy stereo reception	Turn Stereo off. The stereo broadcast may not be clear. *See page 18.*
Picture okay, no sound	Press VOLUME + or MUTE to restore sound. Make sure TV's speakers are on. *Details are on page 19.*
Picture okay, sound poor	Try another channel. Try adjusting the Tone. *See page 18.* Change Stereo to off. The stereo broadcast may not be clear. *See page 18.*
No stereo on stereo station	Make sure Stereo is turned on. *See page 18.*

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References

Trouble Checks

Trouble	Checks and Adjustments
Remote	
Buttons don't work when you press them	Press TV to set the remote to control the TV. *See buttons on page 6-7.* Remove batteries and hold number 1 for at least 60 seconds to drain the microprocessor inside the remote. Release number 1, replace the batteries, and (if necessary) reprogram the remote. Remove all batteries for approximately 12 hours. Then replace batteries and (if necessary) reprogram the remote.
Works part or none of the time	Clear the path between the remote and TV of any objects. Aim the remote at the component you are trying to control. Press TV so remote will control TV. Make sure batteries in the remote are not dead. See if batteries are placed in remote correctly. *See batteries, page 2.*
Can't select certain channel	Press number buttons. Channel may not be in memory. *See autoprogram on page 20.* Make sure TV/VCR switch on VCR is in the TV position. For numbers over 100, press and hold 1 until 1-- appears, then press the other two numbers. Set Cable/Air feature to Cable for channels higher than 69. *See page 27.*
TV Turns on or off	
Turns off by itself	Check Sleep Timer. *See sleep timer on page 23.* Wait 30 seconds and turn on again, a power surge may have occured. Check Alarm Off time. *See alarm clock on page 24.*
Turns on by itself	Check Alarm On Time. *See alarm clock on page 24.* Check clock time. *See clock on page 3.*
Does not turn off at Alarm Time	Make sure alarm is turned on or off. *See alarm clock on page 24.* Check clock time. *See clock on page 3.*

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